Week 4- Implementing Cloud Logging and Monitoring

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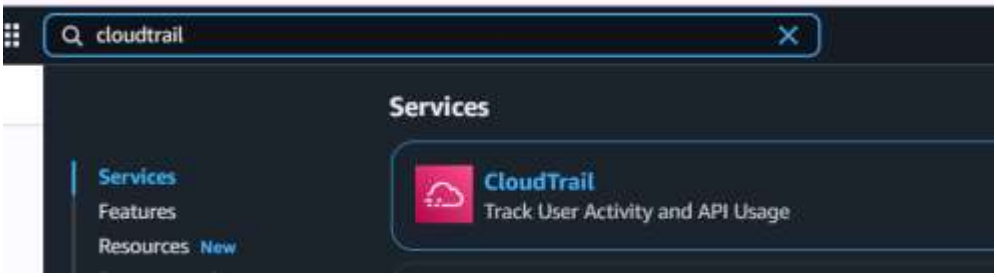
❖ **Task-** 1) Enable CloudTrail/Cloud Audit Logs.
2) Configure alerts for suspicious activity.
3) Document findings.

Step Enable Cloud Trail/ Cloud Audit Logs.

Step 1: Login to AWS Console

Step 2: Search and open CloudTrail from the Services menu.



Step 3: Click Create trail.

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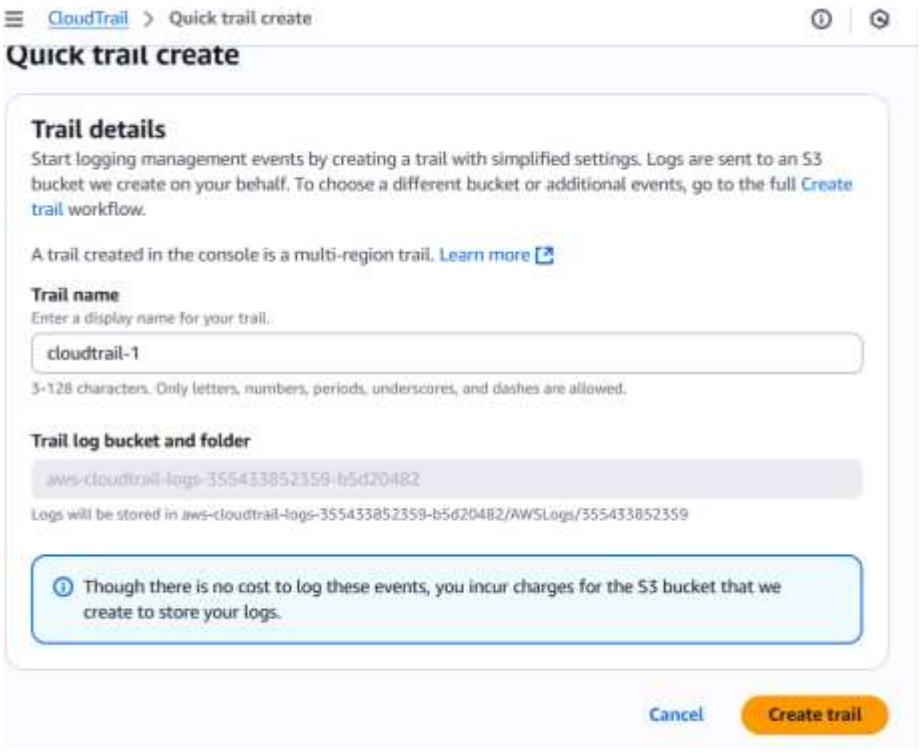
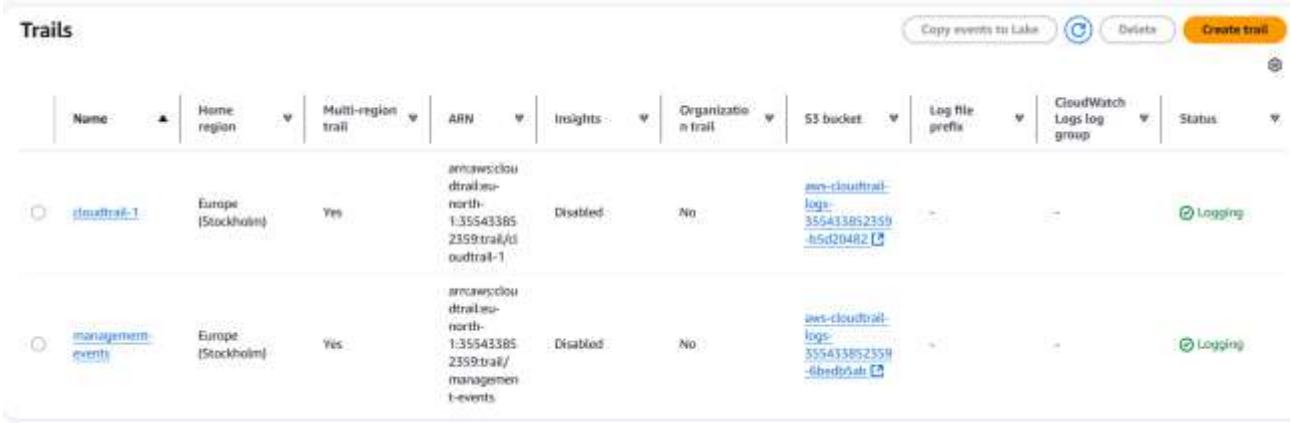
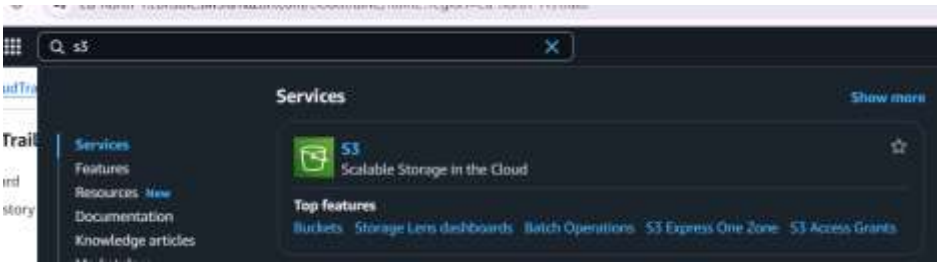
Step 4- Fill in trail Name cloudtrail-1, and then click create trail.





Step 5- Set up S3 Bucket to store logs: create new bucket.



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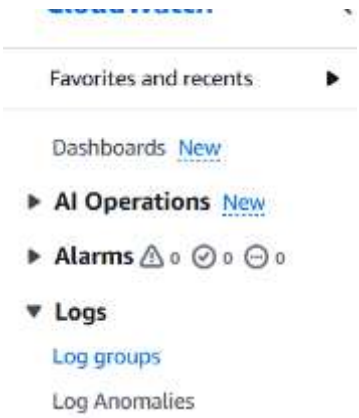
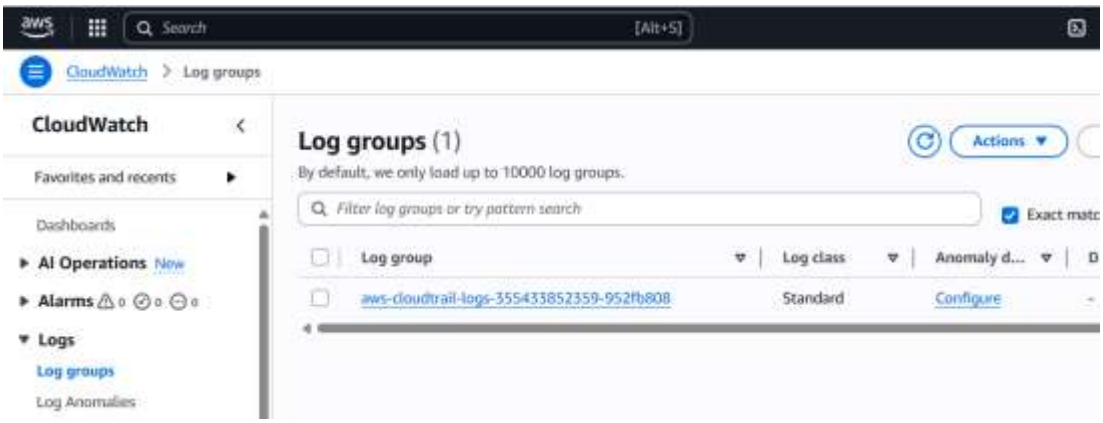
Step 6- Enable CloudWatch Logs, Create new Log Group: /aws/cloudtrail/logs, Allow to create IAM role automatically, then Click Create trail.

Task 2- Configure alerts for suspicious activity.

Step 1-Go to CloudWatch , Log Groups



Step 2- Select your log group: /aws/cloudtrail/logs



Step 3- Click Actions → Create Metric Filter

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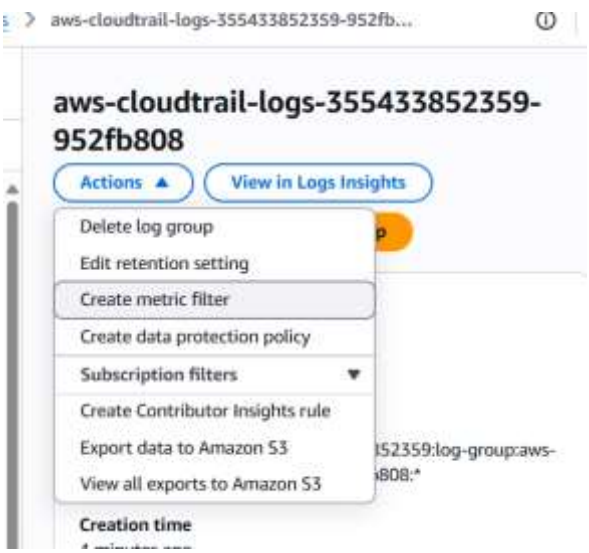
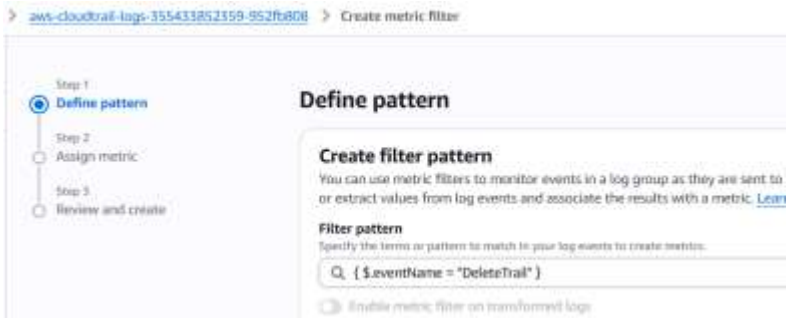


Step 4- Paste filter pattern, and then click next.



Step 5- next step is create filter name, enter the filter name.

Step 6- Then Enter the Matrix Details.

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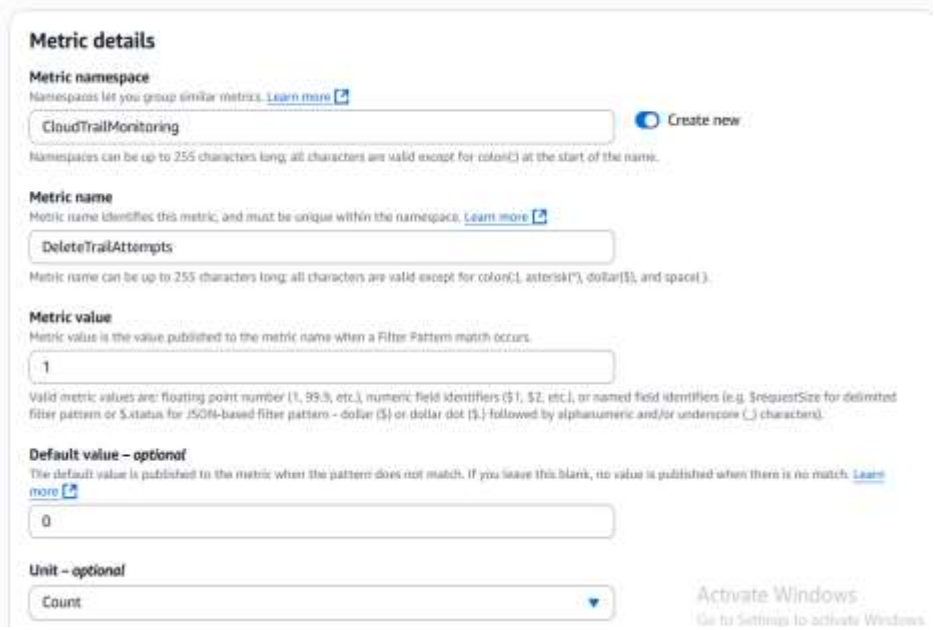
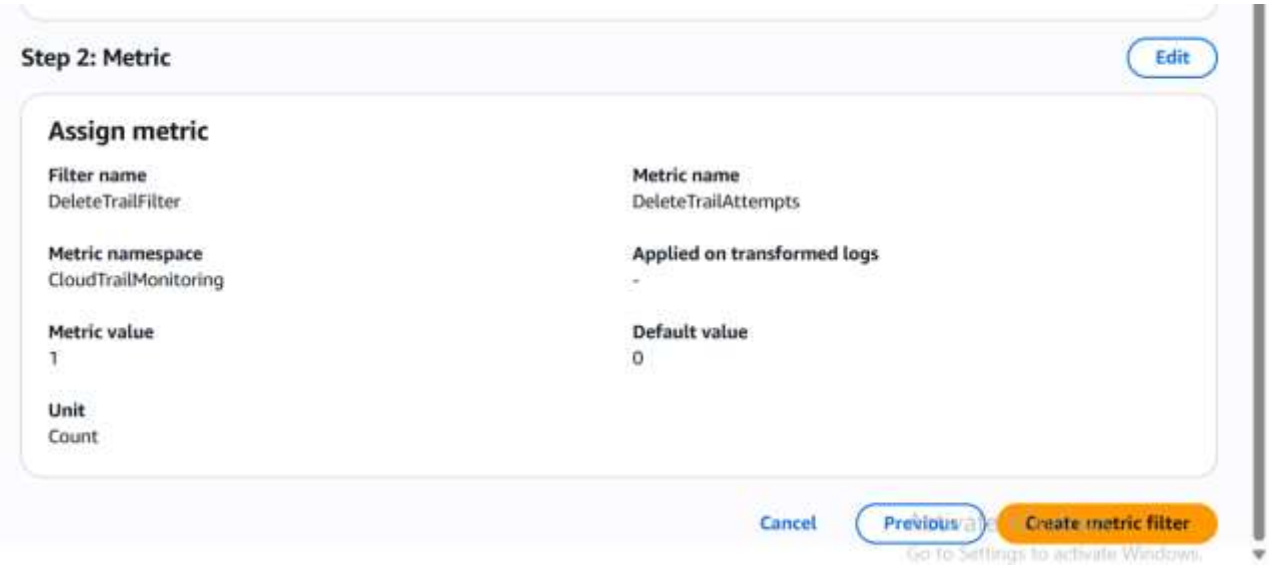


Step 7- Then click Create Matrix.



Step 8- Matrix filter Created successfully.

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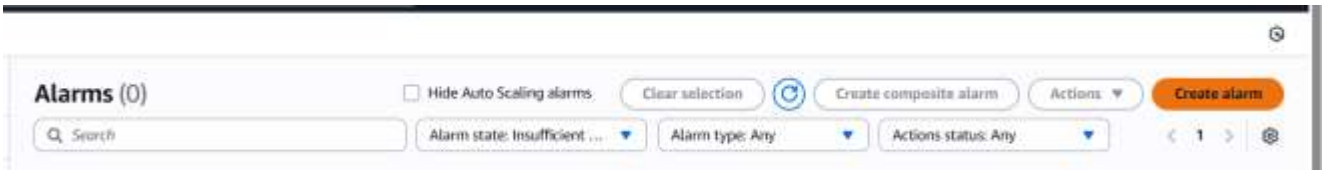
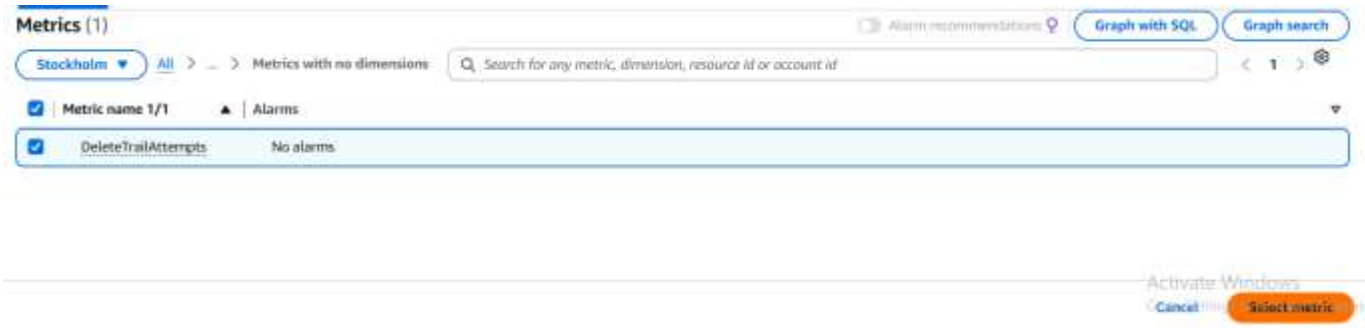
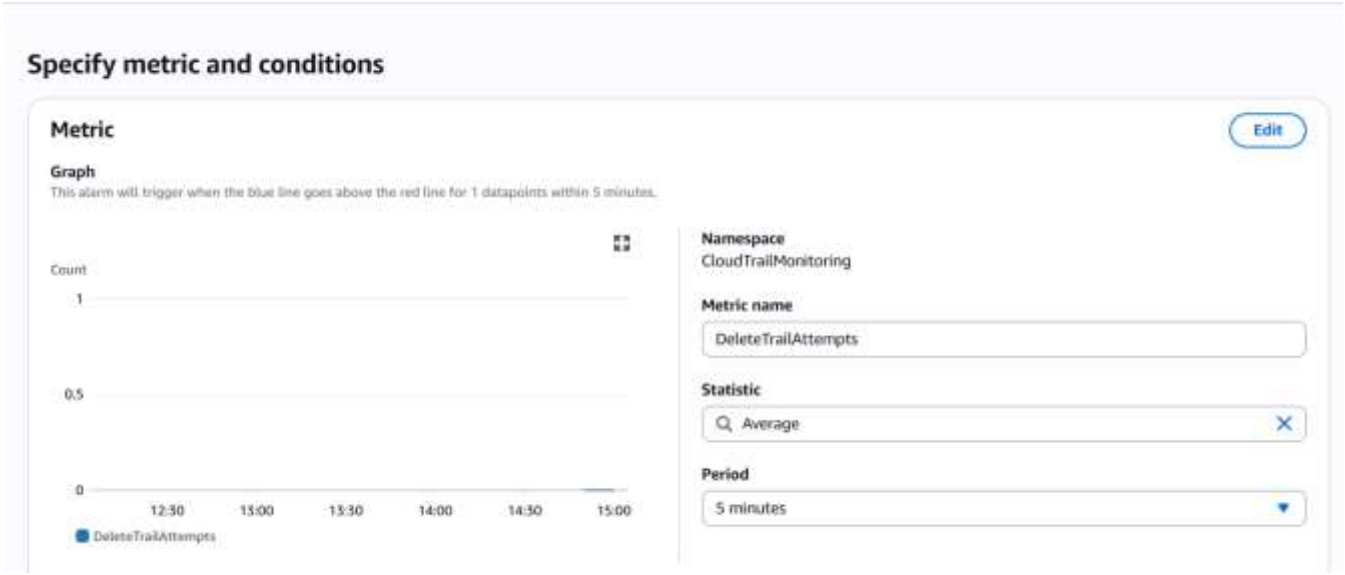
Step 9- Go to CloudWatch → Alarms → Create Alarm



Step 10- Select metric.



Step 11- Set threshold: Static, Condition: Greater than or equal to 1, Period: 5 minute.



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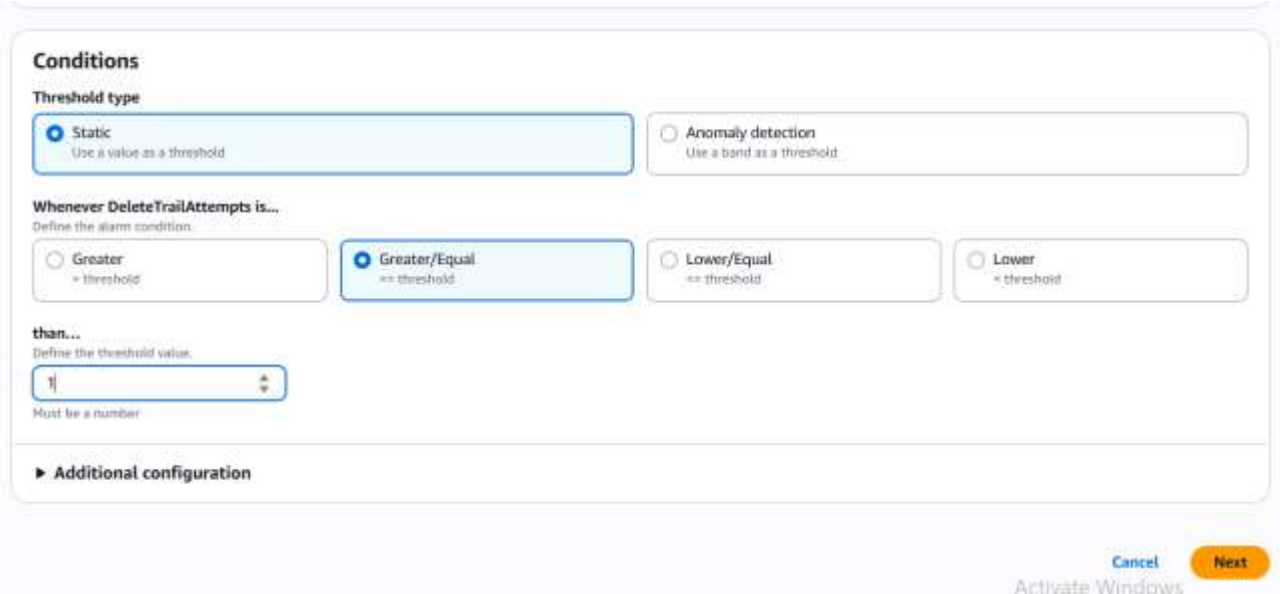
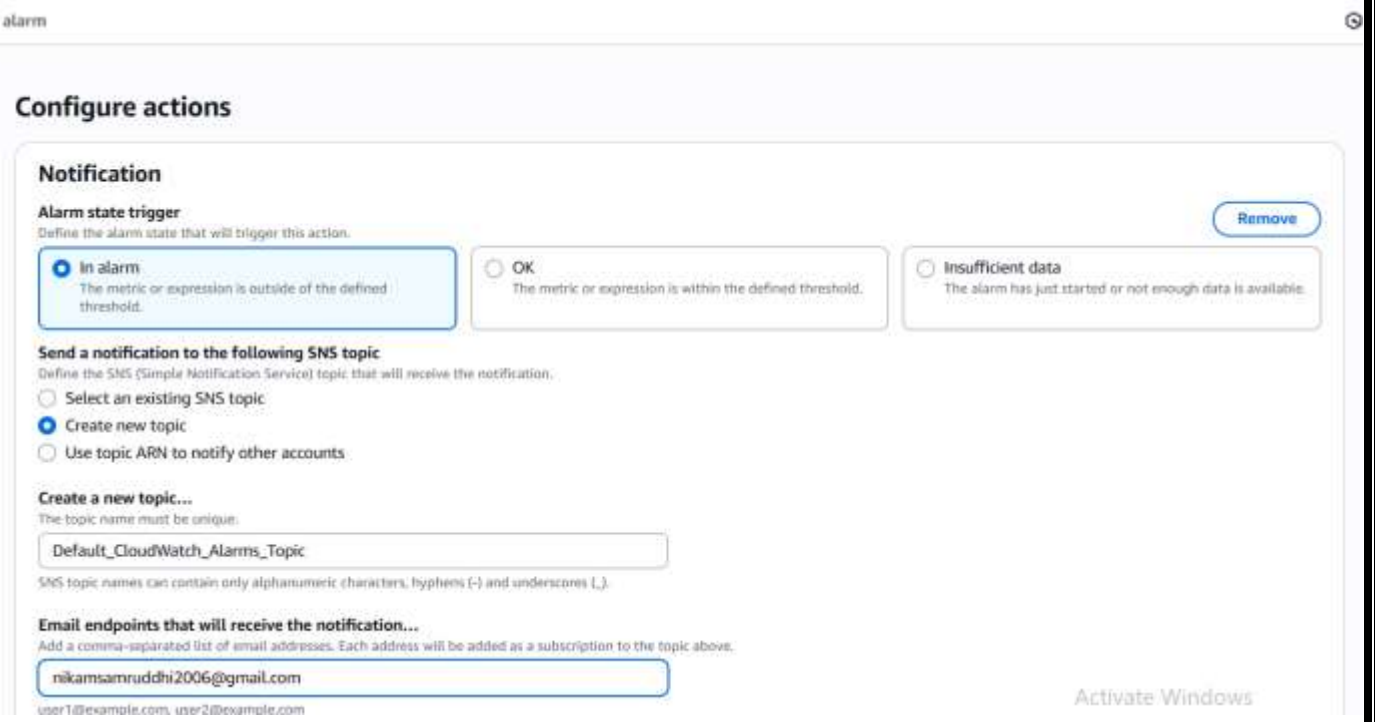
Step 12- Set Condition, and then click Next.



Step 13- Add Configure Action Details.



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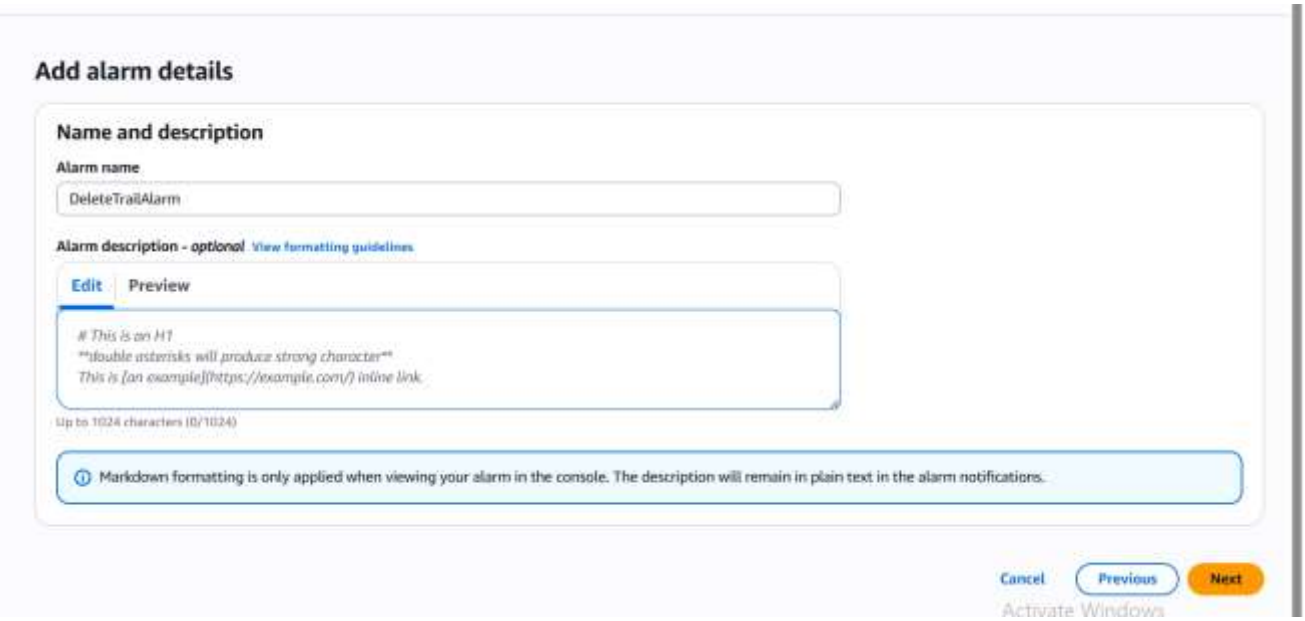
Step 14- Add Alarm Details, and then click next.



Step 15- Set Alarm Successfully.